

Figure 1

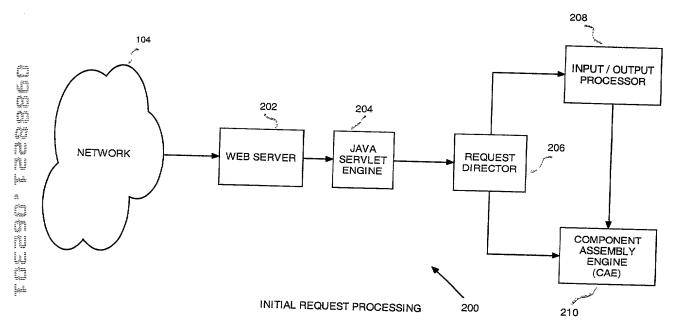


Figure 2

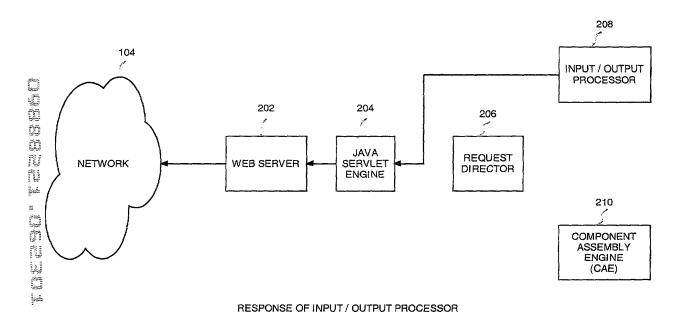


Figure 3

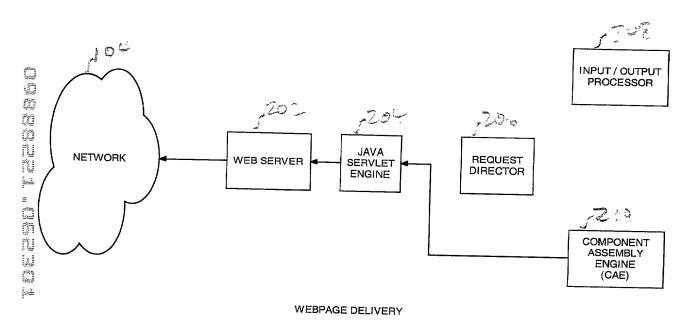
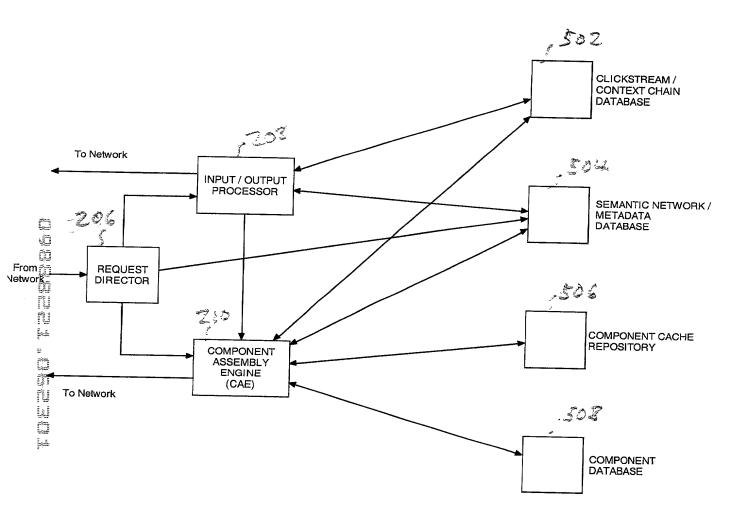
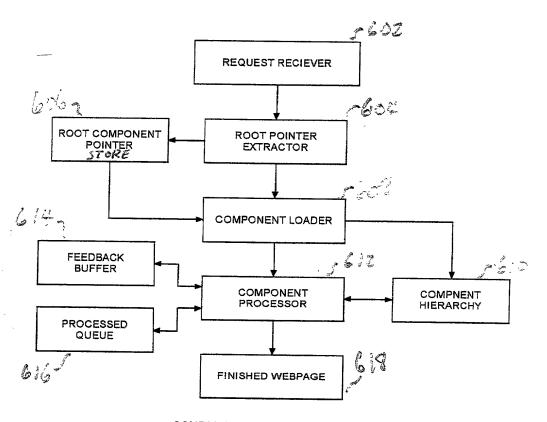


Figure 4



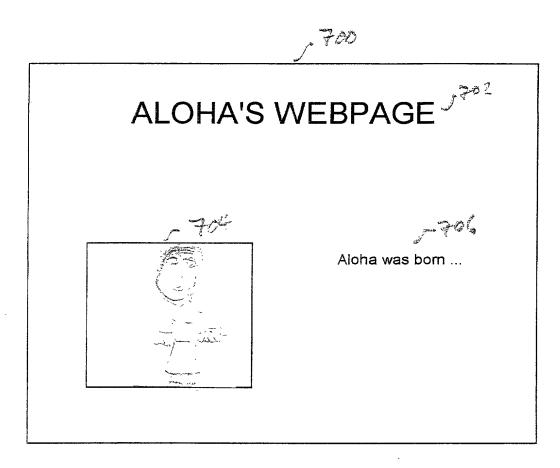
BACKEND DATABASES

Figure 5



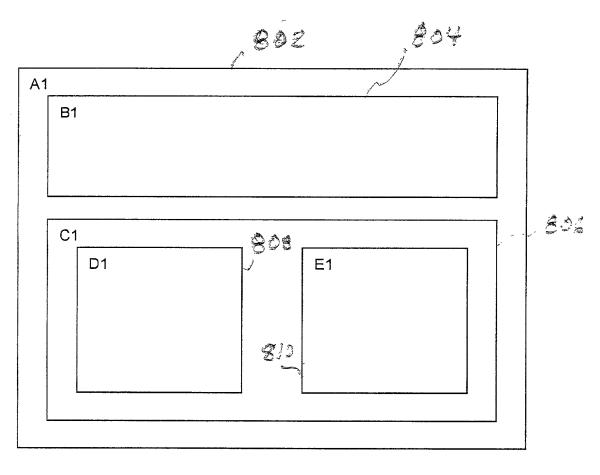
COMPONENT ASSEMBLY ENGINE (CAE)

Figure 6



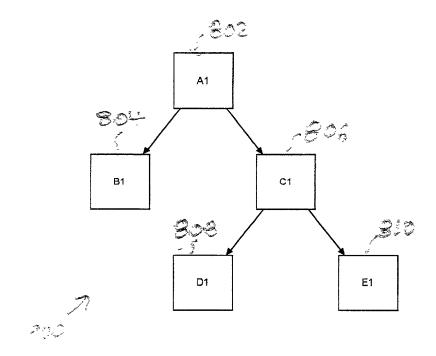
EXAMPLE WEBPAGE

Figure 7



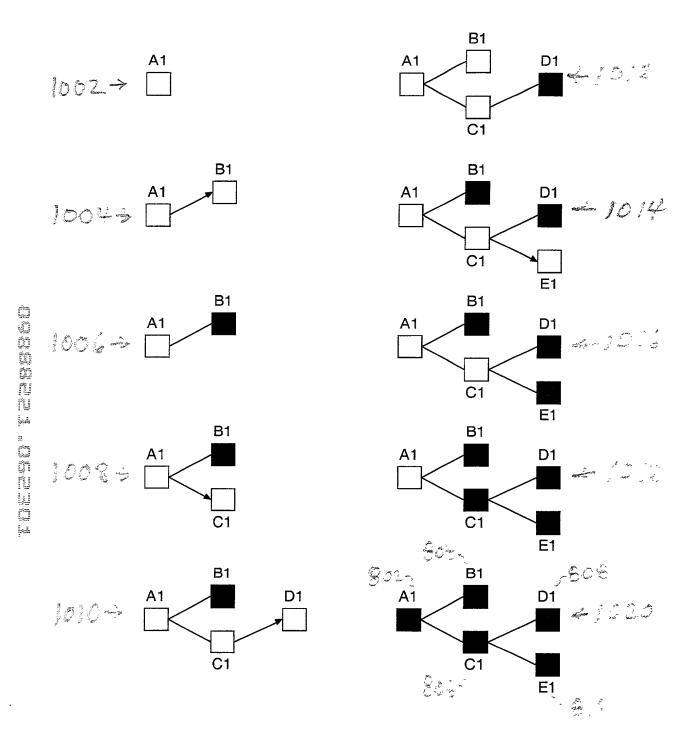
COMPONENT MAKEUP OF EXAMPLE WEBPAGE

Figure 8



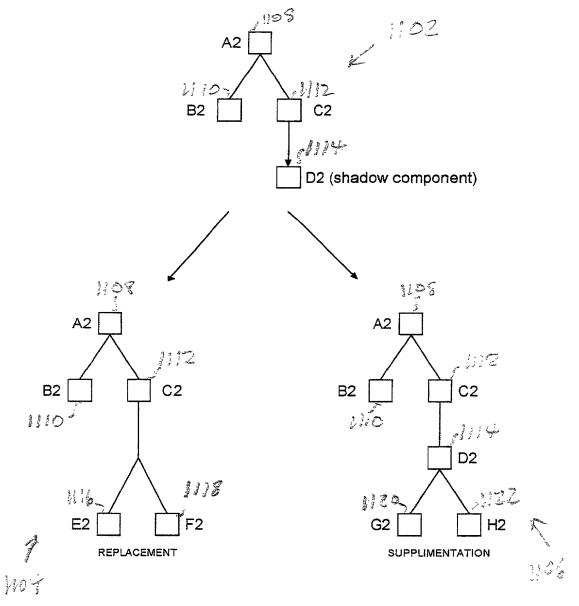
EXEMPLARY HIERARCHICAL TREE REPRESENTATION

Figure 9

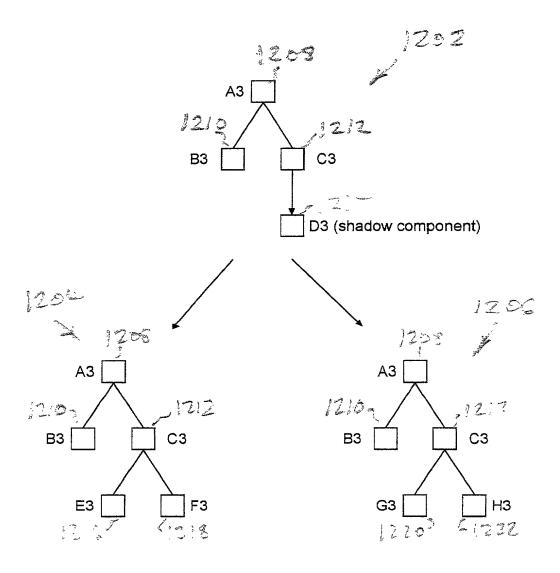


COMPONENT LOADING AND PROCESSING

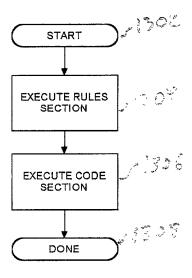
Figure 10



shadow component resolution contrasting replacement and supplimentation $\mbox{Figure} \quad I \ I \ \\$

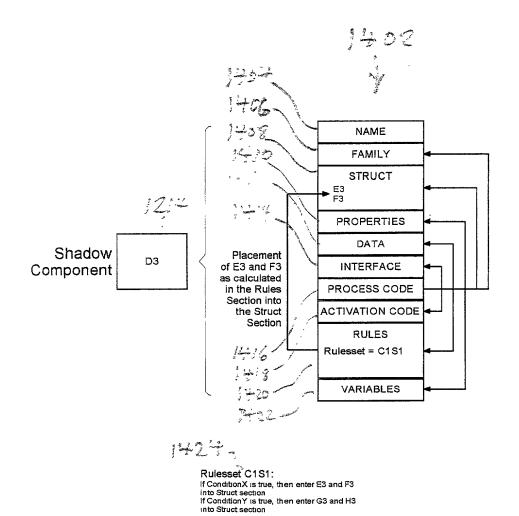


SHADOW COMPONENT RESOLUTION Figure 12



PROCESSING OF SHADOW COMPONENT DURING COMPONENT LOADING PHASE

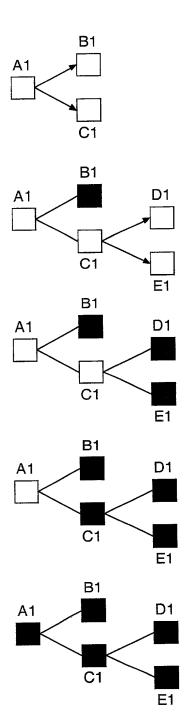
Figure 13



SHADOW COMPONENT SELF-MODIFICATION

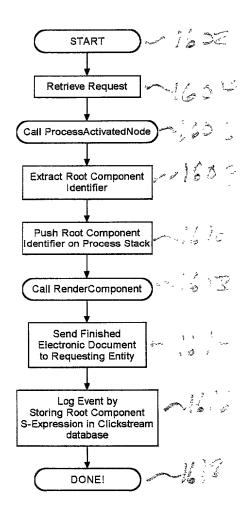
Figure 14





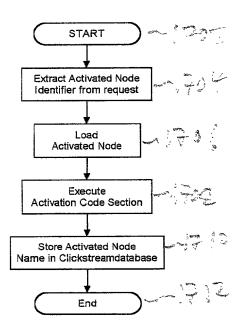
MULTITHREADED COMPONENT LOADING AND PROCESSING

Figure 15



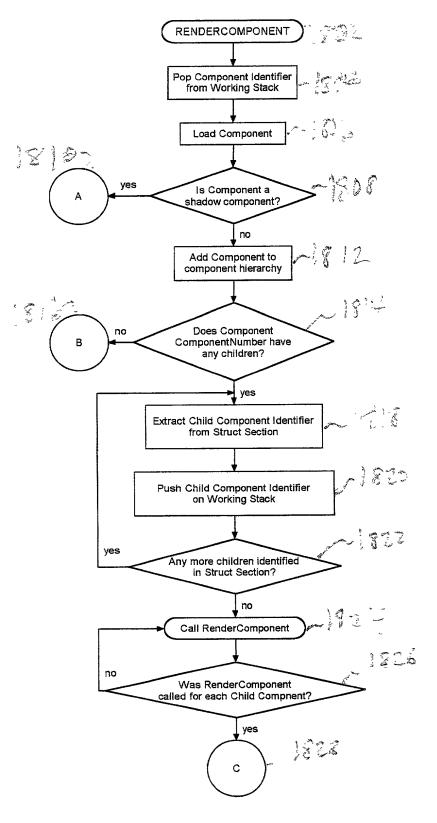
COMPONENT LOADING & PROCESSING USING RECURSION MAIN ROUTINE

Figure 16



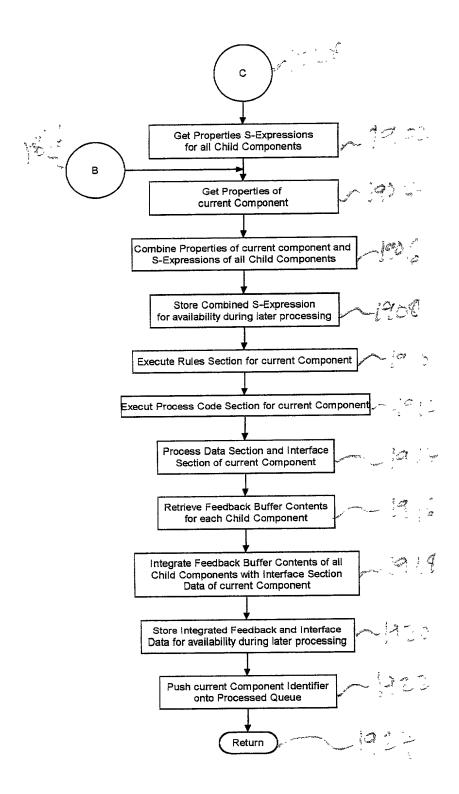
COMPONENT LOADING & PROCESSING USING RECURSION ROUTINE PROCESSACTIVATEDNODE

Figure 17



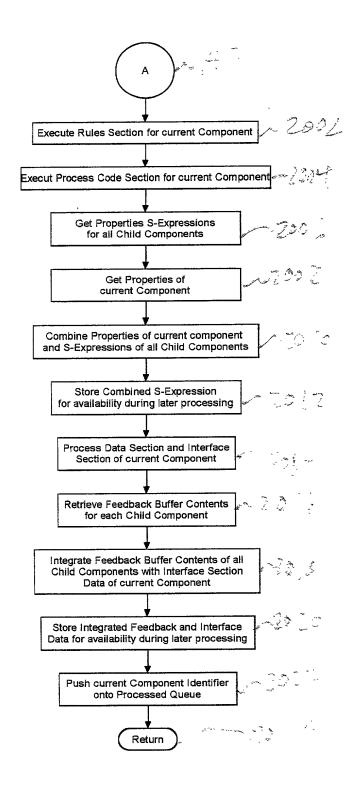
COMPONENT LOADING & PROCESSING USING RECURSION RENDERCOMPONENT ROUTINE (PART 1/3)

Figure 18



COMPONENT LOADING & PROCESSING USING RECURSION RENDERCOMPONENT ROUTINE (PART 2/3)

Figure 19



COMPONENT LOADING & PROCESSING USING RECURSION RENDERCOMPONENT ROUTINE (PART 3/3)

Figure 20

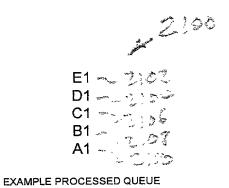
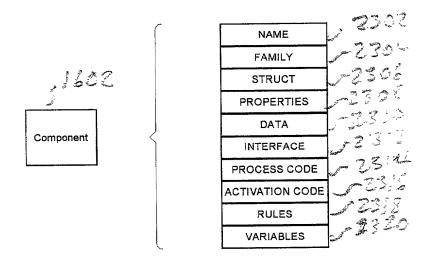


Figure 21

```
<HTML>
<BODY>
<CENTER><H1>ALOHA'S WEBPAGE</H1></CENTER>
<TABLE>
<TBODY>
<TR>
<IMG SRC="aha.html"></IMG>
</TD>
<TD>
Aloha was born ... ~ 2222
</TD>
</TR>
</TBODY>
                           2200
</TABLE>
</BODY>
</HTML>
```

EXAMPLE FEEDBACK BUFFER

Figure 22



EXEMPLARY COMPONENT WITH SECTIONS

Figure 23

```
<identification>
<name value="D1"/>
<type value="normal"/>
<description value="my picture"/>
</identification>
```

EXAMPLE NAME ELEMENT

Figure 24

EXAMPLE FAMILY ELEMENT

Figure 25

EXAMPLE STRUCT ELEMENT

Figure 26

EXAMPLE PROPERTIES ELEMENT

Figure 27

```
<data type="xml"> - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 100
                                                                                                   <name>Llewellyn Wall</na
<num>5</num>
</person>
</data_element >

</templateData>

]]>

</data>
                                                                                                                                                                                                                                                                                                                                                    <name>Llewellyn Wall</name>
```

Figure 28

```
<interface type="image/gif"> 2937
            <![CDATA[R0IGODIhAQABAID/AMDAwAAAACH5BA
                      EAAAAALAAAAABAAEAAAICRAEAOw==]]>

</rr>

<interface type="text/html">
<![CDATA[Hello web user!]]>
</interface>
</interface>
```

Figure 29

EXAMPLE INTERFACE ELEMENTS

EXAMPLE PROCESS CODE ELEMENT

Figure 30

EXAMPLE ACTIVATION CODE ELEMENT

Figure 31

EXAMPLE RULES ELEMENT

Figure 32

EXAMPLE VARIABLES ELEMENT

Figure 33

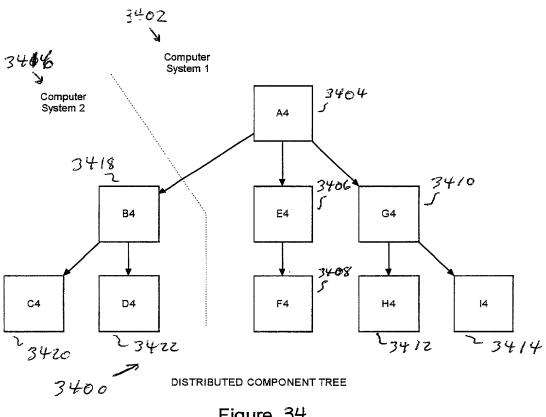
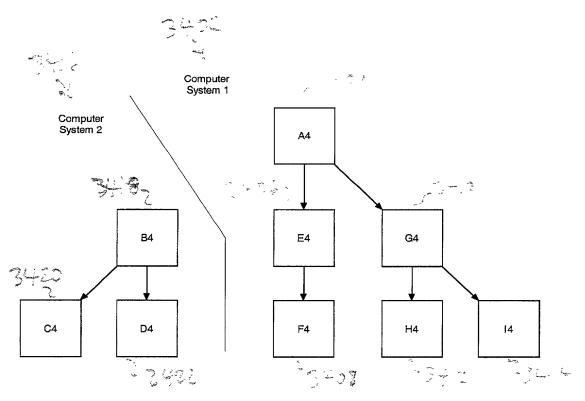
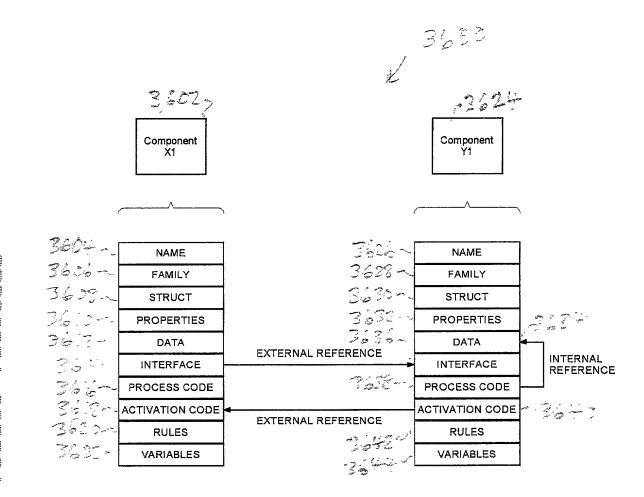


Figure 34



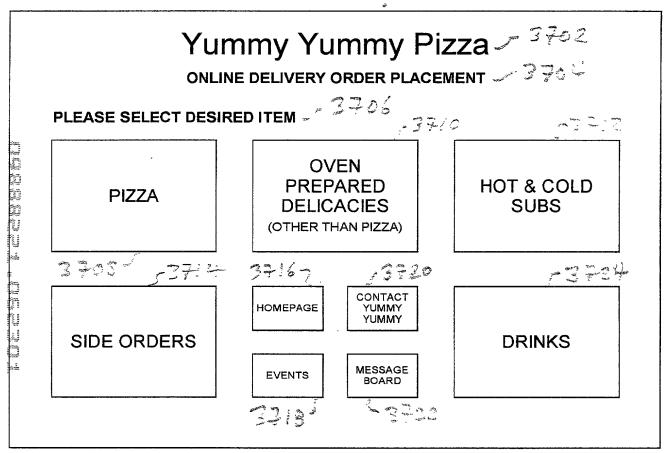
LOADING AND PROCESSING OF DISTRIBUTED COMPONENT TREE

Figure 35



INTERNAL AND EXTERNAL REFERENCING

Figure 36

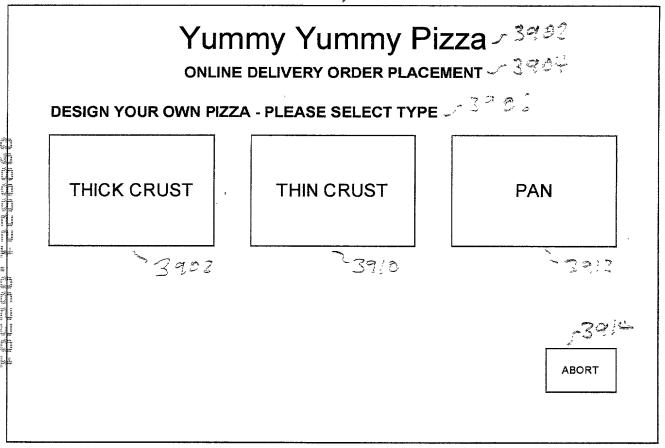


EXAMPLE INITIAL ONLINE ORDERING PAGE

Figure 37

EXAMPLE SECOND ONLINE ORDERING PAGE

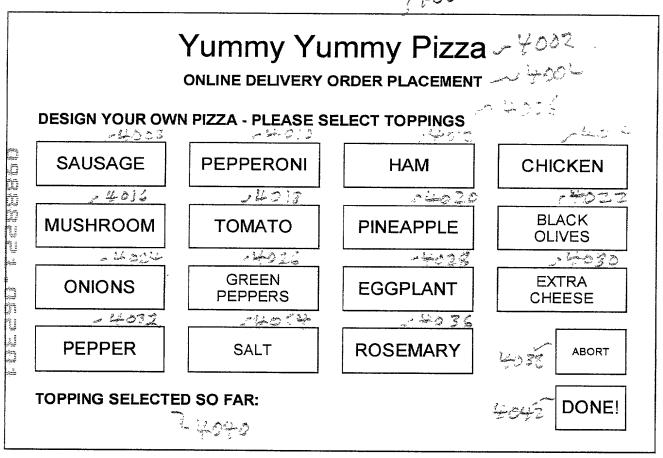
Figure 38



EXAMPLE THIRD ONLINE ORDERING PAGE

Figure 39

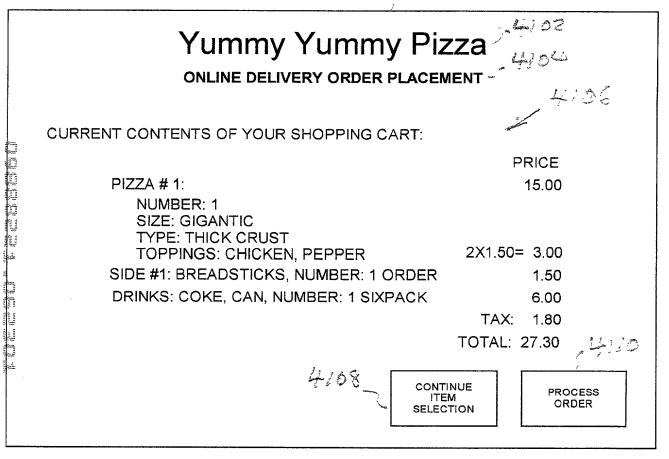
,400%



EXAMPLE FOURTH ONLINE ORDERING PAGE

Figure 40

/ 小 / / /



EXAMPLE CONTENTS OF ONLINE SHOPPING CART

Figure 41

CLICKSTREAM DATABASE WITHOUT USER ID OR PROPERTIES

Figure 42

```
(user id=bezuwork100 (YA1 (YB1) (YC1) (YD1 (YE1, pizza=1.0, hotfood=1.0)
            (YF1, hotfood=1.0, bakedness=1.0) (YG1, subs=1.0, breadness=0.3.
            sandwich=1.0)) (YH1 (YI1, sideorder=1.0) (YJ1 (YK1 (YL1,
            homepage=1.0) (YM1, email=1.0)) (YN1 (YO1, events=1.0) (YP1,
            messagebd=1.0))) (YQ1, drink=1.0))))
 (user id=bezuwork100 (YE1))
         (user id=bezuwork100 (YA2 (YB2) (YC2) (YD2 (YE2, small=1.0) (YF2,
            medium=1.0) (YG2, large=1.0)) (YH2 (YI2) (YJ2, extra large=1.0) (YK2,
            abort=1.0))))
 (user id=bezuwork100 (YJ2))
      (user id=bezuwork100 (YA3 (YB3) (YC3) (YD3 (YE3, chewy=0.9,
            thickness=0.6) (YF3, crispy=0.8, thinness=0.7) (YG3, fillingness=0.9))
            (YH3, abort=1.0)))
  (user id=bezuwork100 (YE3))
       ... (user id=bezuwork100 (YA4 (YB4) (YC4) (YD4 (YE4, sausage=1.0) (YF4,
            pepperoni=1.0) (YG4, ham=1.0) (YH4, chicken=1.0)) (YI4 (YJ4,
            mushroom=1.0) (YK4, tomato=1.0) (YL4, pineapple=1.0) (YM4, black
            olives=1.0)) (YN4 (YO4, onion=1.0) (YP4, green peppers=1.0) (YQ4,
            eggplant=1.0) (YR4, cheese=1.0)) (YS4 (YT4, pepper=1.0) (YU4,
            salt=1.0) (YV4, rosemary=1.0) (YW4, abort=1.0)) (YX4 (YY4) (YZ4,
            continue=1.0))))
         (user id=bezuwork100 (YH4))
       (user id=bezuwork100 (YA4 (YB4) (YC4) (YD4 (YE4, sausage=1.0) (YF4,
            pepperoni=1.0) (YG4, ham=1.0) (YH4, chicken=1.0)) (YI4 (YJ4,
            mushroom=1.0) (YK4, tomato=1.0) (YL4, pineapple=1.0) (YM4, black
            olives=1.0)) (YN4 (YO4, onion=1.0) (YP4, green peppers=1.0) (YQ4,
            eggplant=1.0) (YR4, cheese=1.0)) (YS4 (YT4, pepper=1.0) (YU4,
            salt=1.0) (YV4, rosemary=1.0) (YW4, abort=1.0)) (YX4 (YY4 chicken=1.0)
           (YZ4, continue=1.0))))
       (user id=bezuwork100 (YT4))
      (user id=bezuwork100 (YA4 (YB4) (YC4) (YD4 (YE4, sausage=1.0) (YF4,
           pepperoni=1.0) (YG4, ham=1.0) (YH4, chicken=1.0)) (YI4 (YJ4,
           mushroom=1.0) (YK4, tomato=1.0) (YL4, pineapple=1.0) (YM4, black
           olives=1.0)) (YN4 (YO4, onion=1.0) (YP4, green peppers=1.0) (YQ4,
           eggplant=1.0) (YR4, cheese=1.0)) (YS4 (YT4, pepper=1.0) (YU4,
           salt=1.0) (YV4, rosemary=1.0) (YW4, abort=1.0)) (YX4 (YY4 chicken=1.0,
           pepper=1.0) (YZ4, continue=1.0))))
    (user id=bezuwork100 (YZ4))
```

CLICKSTREAM DATABASE WITH PROPERTIES

Figure 43

72230

Yummy Yummy Pizza ONLINE DELIVERY ORDER PLACEMENT

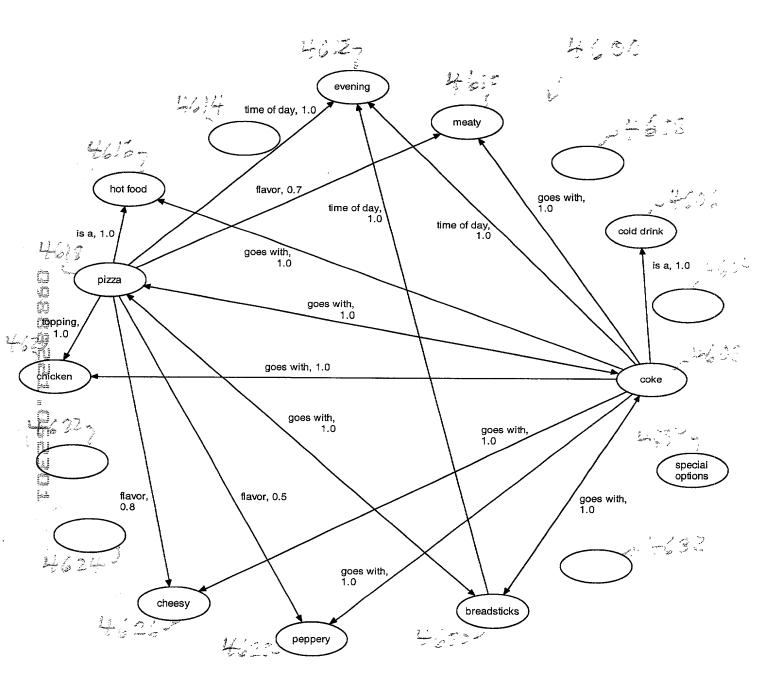
SELECT ITEM, ENTER NUMBER OF UNITS DESIRED, THEN CLICK "ADD TO ORDER" WHEN DONE, CLICK "PROCESS ORDER" - YOU WILL HAVE AN OPPORTUNITY TO REVIEW YOUR ORDER FOR ACCURACY BEFORE SUBMISSION.

	OVEN PRODUCTS &	k SUBS					
4I	O STROMBOLI	O CHEESE STEAK	SUB O ITAL	IAN SAUSAGE SUE	3	g a re g	
	O CALZONE	O MEATBALL SUB	O ITAL	AN COLD CUT SU	В	A ware	
The first first first train the second secon	O PIZZA		_				
544 74 i	SIZE: O PER	SONAL O MEDIUM	M O LARGE	O GIGANTIC			
7¥ Mi	CRUST: O TI	HIN CRUST OTHIC	K CRUST				
: ## 	TOPPING:						
# #	O SAUSAG	E O PEPPERO	ONI O HAM	O EXT	RA CHEESE		
	O MUSHRO	OM OBLACKO	LIVES O TOM	TOE O PINE	APPLE		
ğħ	O ONIONS	O GREEN P	EPPERS O EGG	PLANT O CHIC	KEN		
î.	HERBS & SPICI	ES: O PEPPER	O SALT	O ROSEMARY	O OREGANO		
SIDE	ORDERS					X	
	O BREADSTICKS	O BUFFALO WINGS	O POTA	TOE CHIPS			
DRI	NKS		_				
(O LITER COKE	O SPRITE CAN	O ICED	TEA, BOTTLE			
(O COKE, CAN	O DIET COKE, CAN		ER, BOTTLED		The same of the sa	
			_				
NU	MBER OF SE	LECTED ITEMS	DESIRED:	1 ADD TO	ORDER	PROCESS ORDER	
S							

EXEMPLARY WEBPAGE WITH USER FEEDBACK

```
(user id=bezuwork100 (ZA1 (ZB1) (ZC1) (ZD1) (ZE1) (ZF1) (ZG1,
                          add=1.0) (ZH1, processorder=1.0)))
            add=1.0) (Zm1, processorder=1.0,);
(user id=bezuwork100 (ZE1, pizza=1.0, hotfood=.10, gigantic=1.0,
                          chewy=0.9, thickness=0.6, chicken=topping,1.0,
                          pepper=topping, 1.0, processorder=1.0))
                   (user id=bezuwork100 (ZA2 (ZB2) (ZC2) (ZD2) (ZE2) (ZF2) (ZG2,
(webpage)
                          add=1.0) (H2, processorder=1.0)))
                   (user id=bezuwork100 (ZE2 breadsticks=1.0, sideorder=1.0))
(response)
                 (user id=bezuwork100 (ZA3 (ZB3) (ZC3) (ZD3) (ZE3) (ZF3) (ZG3,
(webpage)
                          add=1.0) (ZH3, processorder=1.0)))
(response)
                   (user id=bezuwork100 (ZE3 coke=1.0, colddrink=is a. 1.0.
                          dataentry value="6"))
```

CLICKSTREAM DATABASE WITH PROPERTIES - RESULTING FROM FORM WEBPAGE



SEMANTIC NETWORK REPRESENTATION OF PERSONAL PROFILE

Figure 46



EDITHA'S FILIPINO DINER

1116 South 19th Street Arlington, VA 22202

For delivery, select menu items below, or go to our delivery page , 4 RESERVATIONS **SPECIALS FULL MENU DELIVERY CATERING** SITE MAP 25 21 34 PAELLA 15 GINISANG 18 17 ARROZCALDONG AFRITADA (chicken & sausage **PAKIGUNG MUNGO ESCABECHE** (rice & chicken) (sausage stew) with rice) **ISDA** (vegetable) (fish) (fish) O 4232 The series of 15 SINIGANG 11 ADOBO 10 PANSIT 12 TORTA 28 TINOLA 62 NA BABOY (chicken) (noodles, meat, MANOK (meat) **PANDESAL** (meat) & vegetables) (chicken)

(bread)

UNCUSTOMIZED WEBPAGE



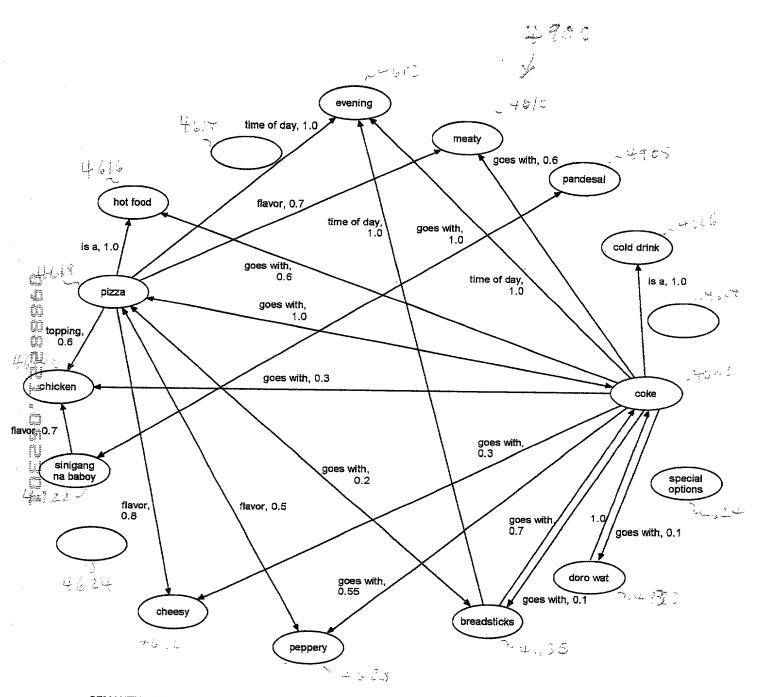
EDITHA'S FILIPINO DINER - 4902

1116 South 19th Street Arlington, VA 22202

For delivery, select menu items below, or go to our delivery page

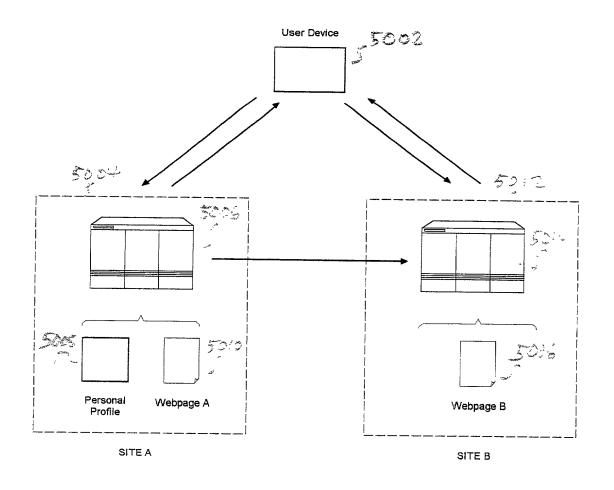
	Mark Mark	the second secon	an '**	م شفد م	7 80 3
DELIVERY	FULL MENU	SPECIALS	CATERING	HISTORY & LANGUAGE	SITE MAP
1-204	Same Same of the s	The state of the s		And the second of the second o	Section 1
42 PAGKAING BILOG (pizza Filipino style)	21 AFRITADA (d (sausage stew)	34 PAELLA chicken & sausag with rice)	101 ge MANGO DRINK	103 COCONUT DRINK	62 PANDESAL (bread)
	Section 2 and 2 and any 2	The second of th	and the state of t	g i wat the g g g g g g g g g g g g g g g g g g g	y thing sales so
11 ADOBO (chicken)	12 TORTA (meat)	15 SINIGANG NA BABOY (meat)	10 PANSIT (noodles, meat, & vegetables)	28 TINOLA MANOK (chicken)	17 ESCABECHE (fish)

WEBPAGE CUSTOMIZED BY PERSONALIZATION



SEMANTIC NETWORK REPRESENTATION OF PERSONAL PROVILE AFTER SEVERAL SITE VISITATIONS

Figure 49

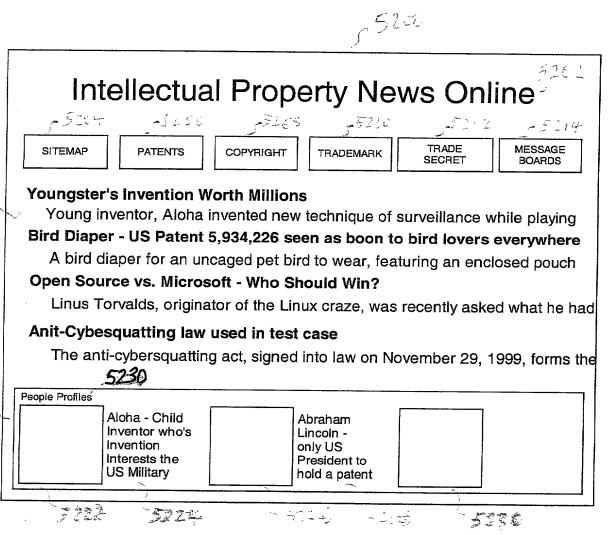


Decentralized Distribution of Personal Profiles

Figure 50

Centralized Distribution of Personal Profiles

Figure 51



UNPERSONALIZED WEBPAGE

Intellectual Property News Online 5 JE 6 MESSAGE TRADE **PATENTS** SITEMAP TRADEMARK COPYRIGHT **BOARDS** SECRET

Youngster's Invention Worth Millions

Young inventor, Aloha invented new technique of surveillance while playing Bird Diaper - US Patent 5,934,226 seen as boon to bird lovers everywhere

A bird diaper for an uncaged pet bird to wear, featuring an enclosed pouch Open Source vs. Microsoft - Who Should Win?

Linus Torvalds, originator of the Linux craze, was recently asked what he had

Anit-Cybesquatting law used in test case

The anti-cybersquatting act, signed into law on November 29, 1999, forms the

People Pro			
	Aloha - Child Inventor who's Invention Interests the US Military	Abraham Lincoln - only US President to hold a patent	

WEBPAGE WITH REORDERED COMPONENTS

N

P.H.

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,5500

Intellectual Property News Online

SITEMAP PATENTS COPYRIGHT TRADEMARK TRADE SECRET BOARDS

Youngster's Invention Worth Millions

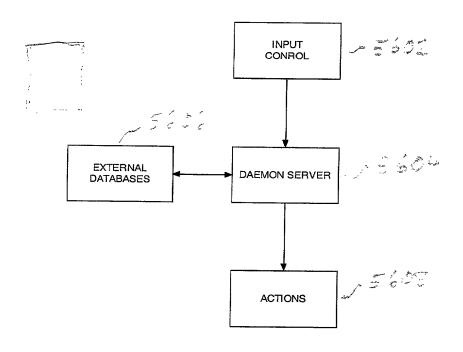
Young inventor, Aloha invented new technique of surveillance while playing Bird Diaper - US Patent 5,934,226 seen as boon to bird lovers everywhere A bird diaper for an uncaged pet bird to wear, featuring an enclosed pouch Open Source vs. Microsoft - Who Should Win?

Linus Torvalds, originator of the Linux craze, was recently asked what he had

Anit-Cybesquatting law used in test case

The anti-cybersquatting act, signed into law on November 29, 1999, forms the Festo Decision Causes Patent Practitioners To Reexamine Their Technique
The US Court of Appeals for the Federal Circut decision in Festo Corp. v. Sho
State Street Bank Decision Seen to open doors for Business Method Patent
In State Street, the US Court of Appeals rejected the business methods excep
In re Beauregard decision paves the way for Program Product claims
The US Patent & Trademark Office changed it's position, deciding not to pursu

WEBPAGE AFTER COMPONENT REMOVAL

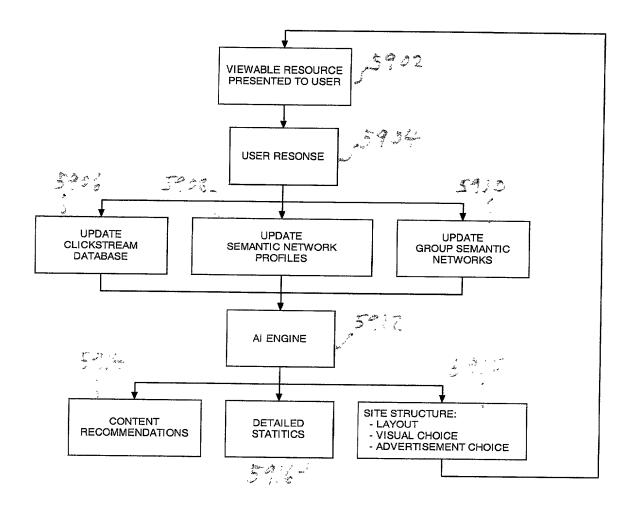


DAEMON SERVER

Figure 56

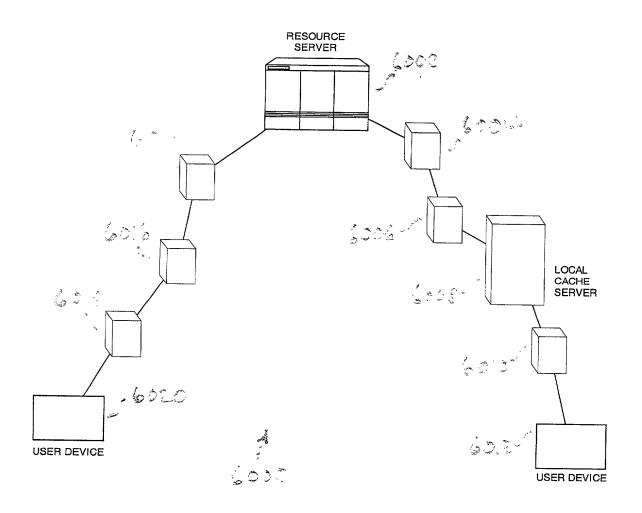
EXAMPLE INITIAL ONLINE ORDERING PAGE WITH EXAMPLE OF EXTRA-SESSION PERSONALIZATION

Figure 57



OPERATION OF THE ARTIFICIAL INTELLIGENCE ENGINE

Figure 58



DYNAMIC CACHING

Figure 59

```
<?xml version="1.0"?>
   <componentDefinition>
         <identification>
               <name value="componentSprint"/>
               <type value="normal"/>
         </identification>
         <relatives>
               <relative value="componentSprint"/>
         </relatives>
        <struct>
              <reference value="this"/>
        </struct>
        properties>
        </properties>
        <data type="none">
              <![CDATA[]]>
        </data>
        <interface type="text/html">
              <![CDATA[]]>
        </interface>
        <code language="WebL">
              <! [CDATA [
              import Java;
              // @CCID
              // Define Java API interface
              // Specify the particular Method that contains the routines for
the API calls
var jClass = Java_New("Future4");
              var API = jClass.getOCPDS(ccID);
              // Begin
              var carrierName
                               = "Sprint PCS";
var baseURL
"http://www.messaging.sprintpcs.com/sms/check_message_syntax.html?callbacknum=
var messageHeader = "&message=";
æ
var defaultMessage
                                     = "This+is+a+sample+message";
             var message = API.gOQV("message");
             var mobileHeader = "&mobilenum=";
             var defaultMobileNum = "7038631132";
             var mobileNum
                                     = API.gOQV("mobileNumber");
             if message == "" or message == nil then
                   message = defaultMessage;
              end:
             if mobileNum == "" or mobileNum == nil then
                   mobileNum = defaultMobileNum;
             end;
             var P = GetURL(baseURL + messageHeader + message + mobileHeader +
 mobileNum);
             var myOutput = carrierName + " message sent.";
             API.sCI(cID, "text/html", myOutput);
       </code>
       <activationCode language="JavaScript">
             <![CDATA[]]>
       </activationCode>
 </componentDefinition>
```

exemplary component definition - ComponentSprint Figure 60

```
<?xml version="1.0"?>
  <componentDefinition>
         <identification>
                <name value="ComponentRU"/>
                <type value="preex"/>
         </identification>
         <ruleset>
                <name value="products"/>
         </ruleset>
         <relatives>
         </relatives>
The time that they they they that
         <struct>
                <reference value="this"/>
         </struct>
         properties>
         </properties>
         <data type="xml">
               <![CDATA[]]>
         </data>
         <interface type="text/html">
               <![CDATA[]]>
         </interface>
Hart den dan dan jang gang
         <code language="JavaScript">
               <![CDATA[]]>
         </code>
        <activationCode language="JavaScript">
               <![CDATA[]]>
        </activationCode>
  </componentDefinition>
```

exemplary component definition - ComponentRU Figure 61

```
<?xml version="1.0"?>
  <componentDefinition>
        <identification>
               <name value="componentPR"/>
               <type value="normal"/>
        </identification>
        <relatives>
               <relative value="componentPR"/>
        </relatives>
        <struct>
               <reference value="this"/>
        </struct>
        properties>
        </properties>
        <data type="none">
              <![CDATA[]]>
        </data>
        <bogus>sad;lkjf;saldkjf;dslkfj;alsdkjfa;lskdjfa;lksj</bogus>
        <interface type="text/html">
              <![CDATA[]]>
        </interface>
        <code language="WebL">
              <! [CDATA [
              import Java;
              //try
              // @CCID
j
                    // Define Java API interface
Ú
                    // Specify the particular Method that contains the routines
for the API calls
Ü
                    var jClass = Java_New("Future4");
                    var API = jClass.getOCPDS(ccID);
ñ.
                    //var P = GetURL("http://www.prenewswire.com/home.shtml");
fly
                     var P = GetURL("http://199.230.26.69/home.shtml");
bei
                    var table = Elem(P, "table");
#
                    var QA = table[3];
var QB = Elem(QA, "tr");
var myOutput = "<IMG ALIGN=Middle</pre>
  SRC=\"http://www.prnewswire.com/images/logoanim3.gif\" BORDER=\"0\" ALT=\"PR
  Newswire\" VSPACE=7>" +
                    "<br>" +
                    Markup(QB[0]) + Markup(QB[1]) + Markup(QB[2]) +
Markup(QB[3])+
                    "";
                    API.sCI(cID, "text/html", myOutput);
              //catch E
                    on true do
              11
                          "Data timeout / not available."
              //end
              ]]>
        </code>
        <activationCode language="JavaScript">
              <![CDATA[]]>
        </activationCode>
 </componentDefinition>
```

exemplary component definition - ComponentPR

Figure 62

```
<?xml version="1.0"?>
  <componentDefinition>
       <identification>
            <name value="componentGIF"/>
            <type value="normal"/>
            <description value="This is a GIF File embedded in the
  component"/>
       </identification>
       <relatives>
            <relative value="component"/>
       </relatives>
       <struct>
            <reference value="this"/>
       </struct>
       properties>
           cproperty name="none" value="0"/>
       </properties>
       <data type="none">
           <![CDATA[]]>
       </data>
       <interface
  type="image/gif"><![CDATA[R01GODdhIAAgAPcAAP///X+/+z4/e32+uvx9efx9erv9eHv9eX
q79Pm6tXi5cbd4dDb3c/a3sTS1b/R17fK0a/J0LbGya/FyqvAw6y+wp62u5mtspiqrpKor5OnrYem
roOho56qn4OdnoOXm4yOhX6aoHSTmWqKkX+PiWaHjXSCfG6EV4FpJP0iFOwkDukjANYiHNAoANIiA
1 M8japwfe/8te/8pgp8me/kbdv8rap8kd/8fc/8mav8aapqhaokbaoeaanmfgscfamgwansaanqcam
M YAAK42KK41J7EnCbliakcrakcgaJM5AIszAZAqAJMjaLAeD74ZAL0VALITAK4dDgYeAL0AAKOOAIE
  eEpsAAJQAAI4OAIMAAHh0Z218bGBwaml3Z2RjV29hQmFdTmRVQH9gN39oImdWOGdXN21MJHliG2pE
 F148MVs0JFMwJGgnAGcmAFs5D1kpAH4dEWgYHXkAAHIAAE4AAEQAADgAACwAACUAAB0AAAAAAAA
 \verb|CQODyQJACMDAA0TGAwSFR8PBhMCAAkAAAAAAD9wZDZWZi9SZjpTXzJMwSBEVHBOP2VIOwNFOWBIM3||
xZInVGL31AI15GMXhPGVU9M1I3MUg5NkQ7N1I1L1UyI0gpI3o1E3Y2FWIzG30rAF44EUkjGkc7DlQ
kCXAaAE0VAFkNADA1NyozOSgxNSgpKiYsLjAiHyMdHyIYFigWEz4eDz0TACIRDyMPDiYAAAwSFAwO
FKqxAfy5MOU/2LK/JfS40CUM3PGZFnxJkV80oPydOgyB1CZK1XOHGpS4E+kTI0epfnQ5dSaP68S9Y
1QK8IbDr02BfASaUexEJ2GNYtz51a1XdliRGtV7103IrkevBp1L129e6G+RJuWbFmoSZdWBRw4aM6
+RRs7ptoTblahfccaRpk0s2bGJfNKDP32Y+iNC0mivohxtenPDAMCADs=]]></interface>
      <code language="JavaScript">
           <![CDATA[]]>
      </code>
      <activationCode language="JavaScript">
           <![CDATA[]]>
      </activationCode>
  </componentDefinition>
```

exemplary component definition - ComponentGif

```
<?xml version="1.0"?>
    <componentDefinition>
             <identification>
                      <name value="componentFileListXML"/>
                      <type value="normal"/>
             </identification>
             <relatives>
             </relatives>
             <struct>
                     <reference value="this"/>
            </struct>
            properties>
            <data type="none">
                     <![CDATA[]]>
            </data>
            <interface type="text/xsl">
                     <![CDATA[
   <xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
            <xsl:output method="html"/>
        <xsl:template match="/">
            <xsl:for-each select="/filelist/file">
                 <xsl:sort select="fullfilename"/>
                 <!--sorted within grouping-->
<!--member distinctions-->
                 >
                         <fort color="#000000" size="1" face="Arial, Helvetica">
                         <xsl:element name="a">
                              <xsl:attribute name="href">
                              <xsl:text>/servlet/Future4?cid=</xsl:text>
                                  <xsl:value-of select="filename"/>
                              </ri>
ļ<sub>e</sub>lā.
                              <xsl:value-of select="filename"/>
25
                         </ri>
</font>
                         <br/>
                </xsl:for-each>
L
            </xsl:template>
</xsl:stylesheet>
            ]]>
       </interface>
       <code language="JavaScript">
            <![CDATA[
            // @API
            var xmlString = API.getFileListingXML("", "xml");
            API.setComponentData(cID, "text/xml", xmlString);
       </code>
       <activationCode language="JavaScript">
            <![CDATA[]]>
       </activationCode>
   </componentDefinition>
```

exemplary component definition - ComponentFileListXML

Figure 64